

## Flat Twin Duplex Fiber Optic Cable

Flat twin duplex fiber optic cable is constructed with two tight buffered simplex units within an overall jacket. It is available for singlemode or multimode used under special circumstance.

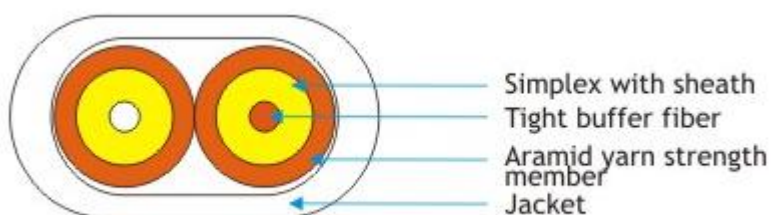
### Features:

- Two basic single fiber unit, flat twin configuration
- Single cable with independent strength member
- Tight Buffer or semi tight buffer cable inside in singlemode or multimode
- Physical protection and tensile strength are provided by aramid yarn around cable
- Easy termination, rugged cable connector interface
- Allows each unit to be laid to different positions

### Application:

- Indoor level optical communication connection, direct connecting outdoor cable to home
- As pigtailed, patch cables for communication equipment.

### Cable Structure



### Optical Characteristics:

		50/125 $\mu$ m	62.5/125 $\mu$ m	G652	G655
Attenuation(+20°C)	@850nm	$\leq 3.5$ dB/km	$\leq 3.5$ dB/km		
	@1300nm	$\leq 1.5$ dB/km	$\leq 1.5$ dB/km		
	@1310nm			$\leq 0.45$ Db/km	$\leq 0.50$ Db/km
	@1550nm			$\leq 0.30$ Db/km	$\leq 0.50$ Db/km
Bandwidth(ClassA)	@850nm	$\geq 500$ Mhz·km	$\geq 200$ Mhz·km		
	@1300nm	$\geq 1000$ Mhz·km	$\geq 600$ Mhz·km		
	0.200 $\pm$ 0.015NA	0.275 $\pm$ 0.015NA			
Numerical Aperture				$\leq 1260$ nm	$\leq 1480$ nm
Cable Cut-off Wavelength $\lambda_{cc}$	@1300nm	$\leq 0.25$ dB/km	$\leq 0.25$ dB/km		
Attenuation at temperature cycling $\alpha(-20^{\circ}\text{C}\sim+85^{\circ}\text{C})$	@1550nm			$\leq 0.10$ dB/km	$\leq 0.10$ dB/km

### Mechanical Characteristics

Technical Parameters									
Out sheath Diameter	Inner sheath Diameter	Weight	Minimum allowable Tensile Strength (N)		Minimum allowable Crush Load (N/100mm)		Minimum Bending Radius (MM)		Storage temperature
			short term	long term	short term	long term	short term	long term	
(MM)	(MM)	(KG)							(°C)
3.0×5.0	1.8	56.00	800	300	1000	500	20D	10D	-20+60
3.2×5.6	2.0	68.00	800	300	1000	500	20D	10D	-20+60
5.0×8.0	2.8	87.00	800	300	1000	500	20D	10D	-20+60